

IN THE CLAIMS:

All of the pending claims 1-42 are set forth below. The status of each claim is indicated with one of (original) or (currently amended). Please AMEND claims 1-3 and 25-27 in accordance with the following:

1. (currently amended) An electronic apparatus to which a plurality of batteries are detachably mounted, comprising:

a removal requirement receipt section for receiving a removal requirement for a part of the mounted batteries;

a processing ability determination section responsive to the removal requirement for a battery from said removal requirement receipt section for determining whether a supplying possible electric power from the remaining batteries is an electric power capable of maintaining a processing ability or an electric power which needs to lower the processing ability; and

a processing ability control section for lowering the processing ability while keeping the electronic apparatus operative in accordance with a decision from said processing ability determination section that the electric power needs to lower the processing ability.

2. (currently amended) An electronic apparatus to which a plurality of batteries are detachably mounted, comprising:

a removal requirement receipt section for receiving a removal requirement for a part of the mounted batteries; and

a processing ability control section responsive to the removal requirement for a battery from said removal requirement receipt section for lowering a processing ability while keeping the electronic apparatus operative.

3. (currently amended) An electronic apparatus to which a plurality of batteries are detachably mounted, comprising:

a mounting and removal detection section for detecting mounting and removal of batteries; and

a processing ability control section responsive to a detection of a removal of a battery by said mounting and removal detection section for lowering a processing ability while keeping the electronic apparatus operative.

4. (original) An electronic apparatus according to claim 1, in which said electronic apparatus has a portion receiving a clock and operative in synchronism with the clock while consuming an electronic power according to a repetitive frequency of the clock,
wherein said processing ability control section changes over the frequency of the clock to control the processing ability.

5. (original) An electronic apparatus according to claim 2, in which said electronic apparatus has a portion receiving a clock and operative in synchronism with the clock while consuming an electronic power according to a repetitive frequency of the clock,
wherein said processing ability control section changes over the frequency of the clock to control the processing ability.

6. (original) An electronic apparatus according to claim 3, in which said electronic apparatus has a portion receiving a clock and operative in synchronism with the clock while consuming an electronic power according to a repetitive frequency of the clock,
wherein said processing ability control section changes over the frequency of the clock to control the processing ability.

7. (original) An electronic apparatus according to claim 1, wherein said processing ability determination section receives the removal requirement for a battery from said removal requirement receipt section and determines whether an electric power supplying ability is insufficient with only the remaining batteries, even if the processing ability is lowered by said processing ability control section, and

said electronic apparatus further comprises a removal acceptance display section for displaying inhibit or acceptance of the removal of a battery according as said processing ability determination section determines whether an electric power supplying ability is insufficient with only the remaining batteries, even if the processing ability is lowered by said processing ability control section.

8. (original) An electronic apparatus according to claim 2, further comprising:
a processing ability determination section responsive to the removal requirement for a battery from said removal requirement receipt section for determining whether an electric power supplying ability is insufficient with only the remaining batteries, even if the processing ability is lowered by said processing ability control section, and

a removal acceptance display section for displaying inhibit or acceptance of the removal of a battery according as said processing ability determination section determines whether an electric power supplying ability is insufficient with only the remaining batteries, even if the processing ability is lowered by said processing ability control section.

9. (original) An electronic apparatus according to claim 1, further comprising a residual electric power monitor section for monitoring a residual electric power of the mounted batteries.

10. (original) An electronic apparatus according to claim 2, further comprising a residual electric power monitor section for monitoring a residual electric power of the mounted batteries.

11. (original) An electronic apparatus according to claim 9, wherein said residual electric power monitor section measures voltage and supplying current of the mounted batteries and determines a residual electric power of the batteries through an arithmetic operation.

12. (original) An electronic apparatus according to claim 10, wherein said residual electric power monitor section measures voltage and supplying current of the mounted batteries and determines a residual electric power of the batteries through an arithmetic operation.

13. (original) An electronic apparatus according to claim 1, wherein each of said batteries is a chargeable secondary battery provided in a battery pack, and a plurality of such battery packs are capable of being mounted on said electronic apparatus.

14. (original) An electronic apparatus according to claim 2, wherein each of said batteries is a chargeable secondary battery provided in a battery pack, and a plurality of such battery packs are capable of being mounted on said electronic apparatus.

15. (original) An electronic apparatus according to claim 3, wherein each of said batteries is a chargeable secondary battery provided in a battery pack, and a plurality of such battery packs are capable of being mounted on said electronic apparatus.

16. (original) An electronic apparatus according to claim 1, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing a residual electric power of a battery of an associated battery pack.

17. (original) An electronic apparatus according to claim 2, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing a residual electric power of a battery of an associated battery pack.

18. (original) An electronic apparatus according to claim 9, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing an association between voltage and supplying current of an associated battery and a residual electric power of the battery, and

wherein said residual electric power monitor section measures voltage and supplying current of the mounted batteries and determines a residual electric power of the batteries referring to said memories.

19. (original) An electronic apparatus according to claim 10, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing an association between voltage and supplying current of an associated battery and a residual electric power of the battery, and

wherein said residual electric power monitor section measures voltage and supplying current of the mounted batteries and determines a residual electric power of the batteries referring to said memories.

20. (original) An electronic apparatus according to claim 11, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing an association between voltage and supplying current of an associated battery and a residual electric power of the battery, and

wherein said residual electric power monitor section measures voltage and supplying current of the mounted batteries and determines a residual electric power of the batteries referring to said memories.

21. (original) An electronic apparatus according to claim 12, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing an association between voltage and supplying current of an associated battery and a residual electric power of the battery, and

wherein said residual electric power monitor section measures voltage and supplying current of the mounted batteries and determines a residual electric power of the batteries referring to said memories.

22. (original) An electronic apparatus according to claim 1, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing an association between a residual electric power of an associated battery and a maximum chargeable current, and

wherein said processing ability determination section performs a determination referring to said memories.

23. (original) An electronic apparatus according to claim 7, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing an association between a residual electric power of an associated battery and a maximum chargeable current, and

wherein said processing ability determination section performs a determination referring to said memories.

24. (original) An electronic apparatus according to claim 8, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing an association between a residual electric power of an associated battery and a maximum chargeable current, and

wherein said processing ability determination section performs a determination referring to said memories.

25. (currently amended) A processing ability alteration instruction apparatus for instructing an alteration of a processing ability to an electronic apparatus to which a plurality of batteries are detachably mounted, comprising:

a removal requirement receipt section for receiving a removal requirement for a part of the batteries mounted on said electronic apparatus;

a processing ability determination section responsive to the removal requirement for a battery from said removal requirement receipt section for determining whether a supplying possible electric power from the remaining batteries only is an electric power capable of maintaining a processing ability or an electric power which needs to lower the processing ability; and

a processing ability alteration instruction section for instructing said electronic apparatus to lower the processing ability while keeping the electronic apparatus operative in accordance with a decision from said processing ability determination section that the electric power needs to lower the processing ability.

26. (currently amended) A processing ability alteration instruction apparatus for instructing an alteration of a processing ability to an electronic apparatus to which a plurality of batteries are detachably mounted, comprising:

a removal requirement receipt section for receiving a removal requirement for a part of the batteries mounted on said electronic apparatus; and

a processing ability alteration instruction section responsive to the removal requirement for a battery from said removal requirement receipt section for instructing said electronic apparatus to lower the processing ability while keeping the electronic apparatus operative.

27. (currently amended) A processing ability alteration instruction apparatus for instructing an alteration of a processing ability to an electronic apparatus to which a plurality of batteries are detachably mounted, comprising:

a mounting and removal detection section for detecting mounting and removal of batteries on and from said electronic apparatus; and

a processing ability alteration instruction section responsive to a detection of a removal of a battery by said mounting and removal detection section for instructing said electronic apparatus to lower the processing ability while keeping the electronic apparatus operative.

28. (original) A processing ability alteration instruction apparatus according to claim 25, wherein said processing ability determination section receives the removal requirement for a battery from said removal requirement receipt section and determines whether an electric power supplying ability is insufficient with only the remaining batteries, even if the processing ability of said electronic apparatus is lowered, and

said processing ability alteration instruction apparatus further comprises a removal acceptance display section for displaying inhibit or acceptance of the removal of a battery according as said processing ability determination section determines whether an electric power supplying ability is insufficient with only the remaining batteries, even if the processing ability is lowered.

29. (original) A processing ability alteration instruction apparatus according to claim 26, further comprising:

a processing ability determination section responsive to the removal requirement for a battery from said removal requirement receipt section for determining whether an electric power supplying ability is insufficient with only the remaining batteries, even if the processing ability of said electronic apparatus is lowered, and

a removal acceptance display section for displaying inhibit or acceptance of the removal of a battery according as said processing ability determination section determines whether an electric power supplying ability is insufficient with only the remaining batteries, even if the processing ability of said electronic apparatus is lowered.

30. (original) A processing ability alteration instruction apparatus according to claim 25, further comprising a residual electric power monitor section for monitoring a residual electric power of the mounted batteries.

31. (original) A processing ability alteration instruction apparatus according to claim 26, further comprising a residual electric power monitor section for monitoring a residual electric power of the mounted batteries.

32. (original) A processing ability alteration instruction apparatus according to claim 30, wherein said residual electric power monitor section measures voltage and supplying current of the mounted batteries and determines a residual electric power of the batteries through an arithmetic operation.

33. (original) A processing ability alteration instruction apparatus according to claim 31, wherein said residual electric power monitor section measures voltage and supplying current of the mounted batteries and determines a residual electric power of the batteries through an arithmetic operation.

34. (original) A processing ability alteration instruction apparatus according to claim 25, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing a residual electric power of a battery of an associated battery pack.

35. (original) A processing ability alteration instruction apparatus according to claim 26, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing a residual electric power of a battery of an associated battery pack.

36. (original) A processing ability alteration instruction apparatus according to claim 30, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing an association between voltage and supplying current of an associated battery and a residual electric power of the battery, and

wherein said residual electric power monitor section measures voltage and supplying current of the mounted batteries and determines a residual electric power of the batteries referring to said memories.

37. (original) A processing ability alteration instruction apparatus according to claim 31, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said

battery packs has a memory for storing an association between voltage and supplying current of an associated battery and a residual electric power of the battery, and

wherein said residual electric power monitor section measures voltage and supplying current of the mounted batteries and determines a residual electric power of the batteries referring to said memories.

38. (original) A processing ability alteration instruction apparatus according to claim 32, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing an association between voltage and supplying current of an associated battery and a residual electric power of the battery, and

wherein said residual electric power monitor section measures voltage and supplying current of the mounted batteries and determines a residual electric power of the batteries referring to said memories.

39. (original) A processing ability alteration instruction apparatus according to claim 33, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing an association between voltage and supplying current of an associated battery and a residual electric power of the battery, and

wherein said residual electric power monitor section measures voltage and supplying current of the mounted batteries and determines a residual electric power of the batteries referring to said memories.

40. (original) A processing ability alteration instruction apparatus according to claim 25, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing an association between a residual electric power of an associated battery and a maximum chargeable current, and

wherein said processing ability determination section performs a determination referring to said memories.

41. (original) A processing ability alteration instruction apparatus according to claim 28, wherein each of said batteries is a battery provided in a battery pack, a plurality of such

battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing an association between a residual electric power of an associated battery and a maximum chargeable current, and

wherein said processing ability determination section performs a determination referring to said memories.

42. (original) A processing ability alteration instruction apparatus according to claim 29, wherein each of said batteries is a battery provided in a battery pack, a plurality of such battery packs are capable of being mounted on said electronic apparatus, and each of said battery packs has a memory for storing an association between a residual electric power of an associated battery and a maximum chargeable current, and

wherein said processing ability determination section performs a determination referring to said memories.